



PTO/SB/08a (08-03)

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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 3

Complete If Known

Application Number	10/657,785
Filing Date	September 8, 2003
First Named Inventor	Charles D. Gollnick
Art Unit	2641 2618
Examiner Name	P. Sobutka
Attorney Docket Number	14206US03

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
PS	A1	US-3781815	12-25-1973	Boudreau et al.	
PS	A2	US-4164628	08-14-1979	Ward et al.	
PS	A3	US-4332027	05-25-1982	Malcom et al.	
PS	A4	US-4414661	11-08-1983	Karlstrom	
PS	A5	US-4630314	12-16-1986	Smith	
PS	A6	US-4644532	02-17-1987	George et al.	
PS	A7	US-4663706	05-05-1987	Allen et al.	
PS	A8	US-4679244	07-07-1987	Kawasaki et al.	
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PS	A11	US-4747126	05-24-1988	Hood et al.	
PS	A12	US-4748658	05-31-1988	Gopal et al.	
PS	A13	US-4837858	06-06-1989	Ablay et al.	
PS	A14	US-4864559	09-05-1989	Perlman	
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PS	A19	US-4942552	07-17-1990	Merrill et al.	
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PS	A21	US-5008882	04-16-1991	Peterson et al.	
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PS	A24	US-5031098	07-09-1991	Miller et al.	
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PS	A26	US-5099509	03-24-1992	Morganstein et al.	
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PS	A28	US-5117422	05-26-1992	Hauptschein et al.	
PS	A29	US-5128932	07-07-1992	Li	
PS	A30	US-5142531	08-25-1992	Kirby	
PS	A31	US-5142534	08-25-1992	Simpson et al.	
PS	A32	US-5150360	09-22-1992	Perlman et al.	

Examiner Signature	/Philip Sobutka/	Date Considered	07/21/2006
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Application Number	10/657,785
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Art Unit	2641 2618
Examiner Name	P. Sobutka
Attorney Docket Number	14206US03

(Use as many sheets as necessary)

Sheet	2		3
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Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
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Sheet 3 3

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Application Number	10/657,785
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First Named Inventor	Charles D. Gollnick
Art Unit	2611 2618
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Attorney Docket Number	14206US03

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Country Code ² - Number ⁴ - Kind Code ³ (if known)				
PS	B1	EP-281334				
PS	B2	WO-9202084				

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PS	C1	L. KLEINROCK and F.A. TOBAGI, "Packet Switching in Radio Channels; Part IV-Stability Considerations and Dynamic Control in Carrier Sense Multiple Access," IEEE Transactions on Communications, vol. COM-25, No. 10, Oct. 1977.	
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PS	C3	J. O. ONUNGA and R. W. DONALDSON, "Performance Analysis of CSMA with Priority Acknowledgements (CSMA/PA) on Noisy Data Networks with Finite User Population," IEEE Transactions on Communications, vol. 39, No. 7, Jul. 1991.	
PS	C4	L. KLEINROCK and J. SILVESTER, "Spatial Rouse in Multihop Packet Radio Networks," Proceedings of the IEEE, vol. 75, No. 1, Jan. 1987.	
PS	C5	International Standard ISO/DIS 8802-2.2.	
PS	C6	A. S. TANENBAUM, "Computer Networks," Prentice Hall, Second Edition.	
PS	C7	D.E. COMER, "Internetworking with TCP/IP", Prentice Hall.	

Examiner Signature	/Philip Sobutka/	Date Considered	07/21/2006
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		Application Number	10/657,785
		Filing Date	September 8, 2003
		First Named Inventor	Charles Gollnick
		Group Art Unit	2604 2618
		Examiner Name	P. Sobutka
Attorney Docket Number	14206US03		
Sheet	1	of	29

U.S. PATENT DOCUMENTS					
Examiner Initial*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
PS	A1	4,449,248	05-15-1984	Leslie et al.	
PS	A2	5,027,428	06-25-1991	Ishiguro et al.	
PS	A3	5,058,023	10-15-1991	Kozikaro	
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PS	A8	5,375,254	12-14-1990	Owen	
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PS	A21	6,522,871	02-18-2003	Patrick et al.	
PS	A22	6,583,675	06-24-2003	Gomez	
PS	A23	6,593,826	07-15-2003	See	
PS	A24	6,694,129	02-17-2004	Peterzell et al.	
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PS	A32	6,937,872	08-30-2005	Krasner	
PS	A33	4,734,694	03-29-1998	Umetsu et al.	

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number	10/657,785	
Sheet		2	Of	29	Filing Date	September 8, 2003
					First Named Inventor	Charles Gollnick
					Group Art Unit	2604 2618
					Examiner Name	P. Sobutka
					Attorney Docket Number	14206US03

PS	A34	4,903,319	02-20-1990	Kasai et al.	
PS	A35	4,964,121	10-16-1990	Moore	
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PS	A45	6,374,311	04-16-2002	Mahany et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code* - Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	B1					

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
PS	C1	Respondent Qualcomm Incorporated's Notice Of Prior Art, with Exhibits A & D attached thereto
PS	C2	Qualcomm's Response To Interrogatory 3, with Exhibits B & C attached thereto
	C3	INTENTIONALLY LEFT BLANK
	C4	INTENTIONALLY LEFT BLANK
PS	C5	"A New Chapter In Wireless Communication And Email", Electronic Messaging News, 11/27/1991, Vol. 3, No. 24
	C6	"A New Radio Access Protocol And Network Architecture For Mobile Packet Data", Cognite Group Limited, Bates Nos. QBB569268-323
PS	C7	"AMDC Extends RFP Deadline To March 10; Walver Decision Expected At FCC's March Meeting", Industrial Communications, 02/17/1989, No. 7
	C8	"AMDC Picks Ericsson Gear", Communications Week, 06/12/1989, Vol. 252, p. 44
PS	C9	"An Effective Prioritization Scheme For Handovers In Cellular Networks", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 364-368
PS	C10	"Ardis Links With NCR Notepad 12/11/91", Newsbytes, 12/11/1991

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PS	C11	"Ardis To Face Competition From RAM", Newsbytes, 02/05/1991
PS	C12	"Automation In Warehousing", Proceedings Of The 8 th International Conference, Tokyo, Japan, 10/06-08/1987, pp. 1-355
PS	C13	"Autonomous Radio Stations Possible Over Mobitex", Industrial Communications, 12/09/1988, No. 48
PS	C14	"Bean Bullish On Growth Of Mobile Data In New Future", Industrial Communications, 02/15/1991, No. 7, p. 8
PS	C15	"Bellsouth Buys Into Ram's Nationwide Mobile Data Network", Industrial Communications, 10/18/1991, No. 42
PS	C16	"BellSouth Has Option To Buy RAM 10/11/91", Newsbytes, 10/11/1991
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PS	C18	"Bellsouth, RAM To Form Mobile Communications Joint Venture", PR Newswire, 10/10/1991, p. 1
PS	C19	"Briefing Document For The Design Of The Diplema Messenger MMI, 03/1989
PS	C20	"Broadband Lan Technology", 1988
	C21	"BT Opens New Service Center", Communications Week, 11/11/1991, p. 25
	C22	"Business Plan Appendix IV - Financial Projections"
	C23	"C Business Plan" Cognito Group Limited, 11/01/1990
	C24	"C Business Plan", Cognito Group Limited, 04/1990
PS	C25	"Canadian Cellular Industry (the) - Industry Report", First Marathon Securities Ltd. Industry Report, 10/25/1991, Investext Report No. 1154903, p. 30
PS	C26	"Cantel To Launch Mobile-Data And Paging Networks", The Gazette, Montreal Quebec, 05/10/1989, p. D1
PS	C27	"CDMA Digital CAI Standard, Cellular System Dual-Mode Mobile Station-Base Station Compatability Standard, Draft Rev. 0", 07/31/1990, Bates Nos. QBB138614-832
PS	C28	"CDMA Digital CAI Standard, Cellular System Dual-Mode Mobile Station-Base Station Compatability Standard, Draft Rev. 1", 10/01/1990, Bates Nos. QBB138833-9249
PS	C29	"CDMA Digital CAI Standard, Cellular System Dual-Mode Mobile Station-Base Station Compatability Standard, Draft Rev. 1.1", 07/15/1991, Bates Nos. QBB139250-858
PS	C30	"Cellular System Dual-Mode Mobile Station - Base Station Compatibility Standard", EIA/TIA Interim Standard, 05/1990, IS-54
PS	C31	"Cellular System Mobile Station - Land Station Compatibility Specification", Office Of Science Technology Bulletin No. 53, 07/1983
PS	C32	"Change Request 05.02-11", Recommendation GSM 05.02, v. 3.3.0, 06/22/1989

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PS	C33	"Change Request 05.02-14", Recommendation GSM 05.02, v. 3.3.0, 11/28/1989
PS	C34	"Coded First To Jump On Mobitex Equipment Bandwagon; Sees Data Licenses As Worth As Much As Cellular", Industrial Communications, 06/09/1989, No. 22
PS	C35	"Communications Personals", Communications Daily, 02/11/1991, Vol. 11, No. 28
PS	C36	"Complexity, High Price Keep Some Customers Away: Mobile Datacoms Taxes Users", Communications Week International, 04/01/1991, p. 20
PS	C37	"Consolidation, New Ventures Going Full Speed Ahead In All Markets", Industrial Communications, 10/06/1989, No. 36, p.1
PS	C38	"Covering Note To Draft Rec. GSM 01.04 Version 2.00.01 - Vocabulary In A GSM PLMN", GSM 01.04 v. 2.00.01, 09/28/1990
PS	C39	"Cutting The Ties That Bind", InformationWeek, 04/01/1991, Vol. 314, pp. 25-30
PS	C40	"DEC On Move: Teaming With Ericsson In Mobile Data Market", Communications Week International, 03/18/1991, p. 1
PS	C41	"DEC Targets Mobile Data Market", Communications Week International, 03/18/1991, p. 9
	C42	"DEC-Ericsson Agreement", Communications Week, 11/11/1991, p. 25
	C43	"Descriptive Air Interface Protocol", Cognito Group Limited, V. 6.0, 08/19/1991
	C44	"Digital And Ericsson To Co-Operate On Mobile Data", Exchange, 11/01/1991, Vol. 9, No. 42
PS	C45	"Discontinuous Reception (DRX) in the GSM System", Recommendation GSM 03.13, v 3.0.2, 01/15/1990
PS	C46	"Editorial: Telecom Trends", Newsbyte News Network, 12/24/1991
PS	C47	"Ericsson - Company Report First Boston Corporation (The)", 06/10/1988, Investext Report No. 813838, p. 9
PS	C48	"Ericsson - Company Report: Hoare Govett Investment Research Ltd", 10/01/1990, Investext Report No. 1039045, p. 22
PS	C49	"Ericsson - Company Report: Prudential Securities Inc.", 03/19/1990, Investext Report No. 1001955, p. 10
PS	C50	"Ericsson - Company Report: Svenska International PLC", Ericsson Company Report, Svenska International PLC, Investext Report No. 1142535, 10/04/1991, p. 2
PS	C51	"Ericsson (L.M.) (Telefon A/B) - Company Report: FT Analysis", Ericsson (L.M.) (Telefon A/B) Company Report FT Analysis, Investext Report No. 6027183, 11/19/1991, p. 3
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EXAMINER	/Philip Sobutka/	DATE CONSIDERED	07/21/2006
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				Application Number	10/657,785
				Filing Date	September 8, 2003
				First Named Inventor	Charles Gollnick
				Group Art Unit	2684 2618
				Examiner Name	P. Sobutka
				Attorney Docket Number	14206US03
Sheet	5	Of	29		

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
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Sheet	6	Of	29
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PS	C180	BINKLEY et al., "Authenticated Ad Hoc Routing At The Link Layer For Mobile Systems", Wireless Networks, 2001, Vol. 7
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PS	C182	BLAZEVIĆ et al., "Self-Organizing Wide-Area Routing", Proc. Of SCI, 2000, pp. 1-8
	C183	BONCOMPAGNI et al., "Comments: Telecom Leaders From Around The World Reveal their Plans For The Future", Telephony, 02/27/1989, Vol. 216, No. 9, p. 28

EXAMINER

/Philip Sobutka/

DATE CONSIDERED

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number	10/657,785	
Sheet		12	Of	29	Filing Date	September 8, 2003
					First Named Inventor	Charles Gollnick
					Group Art Unit	2684 2618
					Examiner Name	P. Sobutka
					Attorney Docket Number	14206US03

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
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PS	C207	Cellular Digital Packet Data System Specification Release 0.3 Preliminary Working Draft, 12/28/1992
PS	C208	Cellular Digital Packet Data System Specification Release 0.8 - Book 4IV, 03/19/1993
PS	C209	Cellular Digital Packet Data System Specification Release 0.8 - Book V, 03/19/1993
PS	C210	Cellular Digital Packet Data System Specification Release 0.9 - Preliminary Draft, N/A, 04/30/1993
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PS	C214	Cellular Digital Packet Data System Specification Release 1.0 - Book V, 07/19/1993
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(use as many sheets as necessary)

Sheet 14 Of 29

Complete if Known

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Filing Date	September 8, 2003
First Named Inventor	Charles Gollnick
Group Art Unit	2684 2618
Examiner Name	P. Sobutka
Attorney Docket Number	14206US03

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					Group Art Unit	2604 2618
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					Attorney Docket Number	14206US03

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					First Named Inventor	Charles Gollnick
					Group Art Unit	2604 2618
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PS	C273	HUNT, "The Regulatory Environment For Personal Communications In The Post-WARC-92 Period", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 429-432
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PS	C287	KARP et al., "GPSR: Greedy Perimeter Stateless Routing For Wireless Networks", Proceedings Of The 6th Annual International Conference On Mobile Computing And Networking (Boston), 2000, pp. 243-254
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				Application Number	10/657,785	
Sheet		19	Of	29	Filing Date	September 8, 2003
					First Named Inventor	Charles Gollnick
					Group Art Unit	2604 2618
					Examiner Name	P. Sobutka
					Attorney Docket Number	14206US03

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
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PS	C368	SESHAN et al., "The Role Of Digital Signal Processing In Personal Communications Networks", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 200-204
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	C400	INTENTIONALLY LEFT BLANK
PS	C401	WANG, "The Hierarchical Structure Of Tracing Strategy For Universal Personal Communication Systems", IEEE - ICUPC '92 Proceedings, 09/29/1992-10/02/1992, pp. 242-246
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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary))				Application Number	10/657,785
				Filing Date	September 8, 2003
				First Named Inventor	Charles Gollnick
				Group Art Unit	2084 2618
				Examiner Name	P. Sobutka
Sheet	26	Of	29	Attorney Docket Number	14206US03

OTHER ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
	C417	INTENTIONALLY LEFT BLANK
	C418	INTENTIONALLY LEFT BLANK
	C419	INTENTIONALLY LEFT BLANK
	C420	INTENTIONALLY LEFT BLANK
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	C423	INTENTIONALLY LEFT BLANK
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	C440	INTENTIONALLY LEFT BLANK
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					Group Art Unit	2884 2618
					Examiner Name	P. Sobutka
					Attorney Docket Number	14206US03

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	C493	INTENTIONALLY LEFT BLANK
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	C495	INTENTIONALLY LEFT BLANK
	C496	INTENTIONALLY LEFT BLANK
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/Philip Sobutka/

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